

## WG on Cell and Stem cell Engineering

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## Past History of WG conferences endorsed by IFMBE

“International Conferences on Cell Engineering (ICCE)”

- 1st : Keele (UK)
- 2nd: San Diego (USA)
- 3rd: San Remo (Italy)
- 4th: Nara (Japan)
- 5th: Aachen (Germany)
- 6th: Sydney (Australia)
- 7th: Seoul (Korea)
- 8th: Dublin (Ireland)
- 9th: Aachen (Germany)

10th meeting is planned to be held as a stellate conference of the World Congress on Medical Physics & Biomedical Engineering on June 3-8, 2018, in Prague, Czech.

# Issues for expanding and enhancing the role of WG C&SC Engineering

1. Expanding WG members – 28 individuals at present

2. Inviting currently advancing “Biotechnology”

- Biotechnology is mainly affiliated with Biological Engineering for Medical, Biopharmaceutical and Medicinal products, including fields of

Applied Biology, Biochemistry, Microbiology and Molecular Biology;

Biomolecular Engineering, Biocatalysis & Biotransformation, and Metabolic Engineering;

Bioseparation, Bioprocess Control and System Engineering;

Nanobiotechnology, Biosensor and Bioelectronics, Cell Culture Engineering;

Pharmaceuticals; Biomaterials; Food Biotechnology and Environmental Biotechnology

Predictable society in Biological Engineering to invite to IFMBE:

- Asian Federation of Biotechnology (AFOB)

Introduction:

AFOB is a non-profit organization established in 2008.

As of 2010, its Secretariat is situated in Songdo, Incheon, Korea. The Federation promotes cooperation between scientists from academia and industry across Asia to advance the fields of biotechnology and sustainable development.

The Federation also seeks to educate and promote awareness of biotechnology to the public.

With eminent board members and thousands of scholars and personal members, AFOB has 14 regional branch offices in Asia to support its activities in the various areas of biotechnology.



# History

- APBioChEC(Asia-Pacific Biochemical Engineering Conference) and ACB

- Initiated in 1990

- The last APBioChEC(9th) was held in Kobe, Japan in 2009

- APBioChEC came to the under the aegis of AFOB as 'Asian Congress on Biotechnology (ACB)

The 10thACB was held in Shanghai, China in 2011

- '13. 12 (11th) New Delhi, India

- '15. 11 (12th) Kuala Lumpur, Malaysia

- '17. 7 (13th) Thailand

- '19. (14th) Taiwan



**ASIAN CONGRESS ON BIOTECHNOLOGY 2015**  
15 - 19 NOVEMBER 2015 ISTANA HOTEL, KUALA LUMPUR, MALAYSIA



- Young Asian Biochemical Engineers' Community (YABEC)

- Initiated in 1995 by Korea, Taiwan, Japan and China
- Joined to AFOB in 2011

- '11. 10 (17th)Incheon, Korea

- '12. 10(18th)Tokushima, Japan

- '13. 08(19th)Urumuchi, China

- '14. 11(20th)Tainan, Taiwan

- '15. 10(21st)Chuncheon, Korea

- '16. 10(22nd)Miyazaki, Japan

- '17. 10(23rd)Xi'an, China



## Regional Members (2017)

Bangladesh

India

Indonesia

Japan

Korea

China

Malaysia

Mongolia

Nepal

Philippines

Singapore

Taiwan

Thailand

Vietnam (Total: 14 countries)

## Collaboration

Memo Of Understanding signing with European Federation of Biotechnology (EFB)  
at European Congress of Biotechnology (ECB 2014), Edinburgh, Scotland

With hoping close support for  
WG on Cell and Stem Cell Engineering  
from IFMBE,

Appreciate to All !!